## **PATENT COOPERATION TREATY**

# **PCT**

#### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	
200300814-2 WO		see Form PCT/ISA/220 Il as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB2004/002999	09/07/2004	12/07/2003
Applicant		
HEWLETT-PACKARD DEVELOPMEN	NT COMPANY, L.P.	
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth Insmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
X It is also accompanied by	a copy of each prior art document cited in this	report.
Basis of the report     a. With regard to the language, the i language in which it was filed, unle	nternational search was carried out on the bas ass otherwise indicated under this item.	sis of the international application in the
The international sthis Authority (Rul	search was carried out on the basis of a translate 23.1(b)).	ation of the international application furnished to
b. With regard to any nucleo	tide and/or amino acid sequence disclosed	in the international application, see Box No. I.
2. Certain claims were four	nd unsearchable (See Box II).	
3. X Unity of invention is lack	ting (see Box III).	
4. With regard to the title,		
X the text is approved as sub		
the text has been establish	ned by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as sub	• • • • • • • • • • • • • • • • • • • •	
may, within one month from	ed, according to Rule 38.2(b), by this Authority n the date of mailing of this international searc	y as it appears in Box No. IV. The applicant h report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be pu	blished with the abstract is Figure No. 3b.	.4h
X as suggested by th	e applicant.	
	Authority, because the applicant failed to sugg	
	Authority, because this figure better character	izes the invention.
b. none of the figures is to be	published with the abstract.	·

Form PCT/ISA/210 (first sheet) (January 2004)

# International application No. PCT/GB2004/002999

### **INTERNATIONAL SEARCH REPORT**

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.:     because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
c.
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 25-55,57

method for use in forming layered semiconductor device

1.1. claims: 1-17, in sofar as referring to claims 1-17: 24,56, 57, 58

bottom-gate TFT

2. claims: 18-23; in sofar as referring to claims 18-23: 24,56,57,58

source-gate-drain of TFT in one plane

Information on patent family members

International Application No
PCT/GB2004/002999

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national Application No

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 H01L51/40 H01L21/28

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system tollowed by classification symbols) IPC 7 H01L B41M C25C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the international filing date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document reterring to an oral disclosure, use, exhibition or other means  'P' document published prior to the International filing date but later than the priority date claimed	<ul> <li>'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.</li> <li>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.</li> <li>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search  11 May 2005  Name and mailing address of the ISA	O3/06/2005  Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tet (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016	Pusch, C

nternational application No. PCT/GB2004/002999

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see additional sheet
1. X all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  X The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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1. claims: 25-55,57

method for use in forming layered semiconductor device

1.1. claims: 1-17, in sofar as referring to claims 1-17: 24,56, 57, 58

bottom-gate TFT

2. claims: 18-23; in sofar as referring to claims 18-23: 24,56,57,58

 ${\tt source-gate-drain} \ \, {\tt of} \ \, {\tt TFT} \ \, {\tt in} \ \, {\tt one} \ \, {\tt plane}$ 

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